

ELASTOMERIC MULTICOMPONENT FIBERS, NONWOVEN WEBS AND NONWOVEN FABRIC

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ABSTRACT

A bonded web of multi-component strands that include a first polymeric component and a second polymeric component is capable of overcoming a number of problems associated with nonwoven webs including both stickiness and blocking. The first polymeric component and second polymeric component are arranged in substantially distinct zones extending longitudinally along at least a portion of a length of the strands which make up the web with the second component containing a zone constituting at least a portion of the peripheral surface of the strand. The first polymeric component also has an elasticity which is greater than that of the second polymer component. A process producing elastomeric spunbonded nonwoven fabrics which utilizes the activation by incremental stretching of the strands is also provided.

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